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## Section 14 – Physical Security Enhancement Equipment

### Overview

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This section was created in the current edition to improve the alignment of the SEL with the DHS Authorized Equipment List (AEL). It contains items used to enhance the physical security of buildings and other infrastructure assets. These equipment items, when deployed, mitigate either the threat of an incident or its effects, and responders utilize or interact with many of these items in the course of response. The IAB is therefore incorporating these items into a new SEL section, and providing information on features and operating considerations for use by the responder community.

This section consists mainly of new items, with one item moved from Section 4 of the previous edition. The Interoperable Communication and Information System (ICIS) SubGroup and the Personal Protective and Operational Equipment (PP&OE) SubGroup have collaborated in providing support for this new section.

### Changes for 2007

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The following item has been moved from Section 4 into this section:

- System, Video Assessment, Security

The following new items have been added to this section:

- Barrier, Vessel
- Barrier: Fences; Jersey Walls
- System, Building, Blast/Shock/Impact Resistant
- System, Personnel Identification
- System, Vehicle Identification
- System, Fire Extinguisher Monitoring
- System/Sensors, Alarm
- System, Physical Access Control
- System, Radar
- System, Sonar
- Sensors and Alarms, Self-Monitoring
- Equipment, Hull Scanning
- Doors and Gates, Impact Resistant
- Lighting, Area, Fixed
- Receptacle, Trash, Bomb-Resistant

### Online Selection Factors

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No selection matrix has been formulated for this section.

## Section 14 | Physical Security Enhancement Equipment

Item Number/Title	Description	Features/Operating Considerations	Standards <sup>1</sup>
<b>EX - Explosion Protection</b>			
14EX-00-BCAN* Receptracles, Trash, Bomb-Resistant	Explosive-resistant trash receptacles.	Consider direction in which energy will be dissipated in the event of detonation. This is usually vertical, which may not be appropriate for some environments.	
14EX-00-BSIR* Systems, Building, Blast/Shock/Impact Resistant	Systems to mitigate damage from blasts, shocks, or impacts, such as column and surface wraps, breakage/shatter resistant glass, and window wraps.		
<b>SW - Surveillance, Warning, Access/Intrusion Control</b>			
01 - General			
14SW-01-ALRM* Systems/Sensors, Alarm	Systems and standalone sensors designed to detect access violations or intrusions using sensors such as door/window switches, motion sensors, acoustic sensors, seismic, and thermal sensors. May also include temperature sensors for critical areas.	Includes self-monitoring standalone sensors as well as integrated systems. May be integrated into access control system. Consider backup power requirements.	
14SW-01-DOOR* Doors and Gates, Impact Resistant	Reinforced doors and gates with increased resistance to external impact for increased physical →		

<sup>1</sup> Use numbers given to refer to Standards List at the end of this document.

\* Item has been moved or changed in the edition.

## Section 14 | Physical Security Enhancement Equipment

Item Number/Title	Description	Features/Operating Considerations	Standards <sup>1</sup>
<b>SW - Surveillance, Warning, Access/Intrusion Control</b>			
01 - General - <i>Continued</i>			
	security.		
14SW-01-EXTM*	System for monitoring the presence and inflation pressure of fixed-location fire extinguishers to ensure that they are usable and are not stolen for possible misuse.	May be integrated with alarm systems. See Item 14SW-01-ALRM.	
14SW-01-LITE*	Fixed high-intensity lighting systems for improved visibility in areas such as building perimeters and surveillance zones.	Wall or pole mounted.	
14SW-01-PACS*	Locking devices and entry systems for control of physical access to facilities.	May be integrated with alarm system. Access logging. ----- Check that any data such as access logs is collected in a format compatible with other devices such as personal computers that might be used for data mining / analysis.	
14SW-01-SIDP*	Systems for positive identification of personnel as a prerequisite for entering restricted areas or accessing information systems.	May utilize multiple technologies including photo comparison, fingerprint, fingerprint, handprint, retinal scan, and interactive personal identification number (PIN) and cipher/ code recognition system. See also Items 05AU-00-BIOM, 04AP-07-CRED. ----- Should include at least “two-factor” identification, e.g., two of the following: →	95

<sup>1</sup> Use numbers given to refer to Standards List at the end of this document.

\* Item has been moved or changed in the edition.

## Section 14 | Physical Security Enhancement Equipment

Item Number/Title	Description	Features/Operating Considerations	Standards <sup>1</sup>
<b>SW - Surveillance, Warning, Access/Intrusion Control</b>			
01 - General - <i>Continued</i>			
14SW-01-SIDV*	Systems for identification of vehicles, ranging from decals to radio frequency identification (RFID) or other transponder devices.	Designed for 24/7 unattended operation. Live tracking capability versus store-and-forward reporting. ----- Consider reporting frequency if system “reports” to remote location. Consider battery backup/battery life.	
14SW-01-SNSR*	Sensors and Alarms, Self-Monitoring	Standalone sensors/alarms for use on critical systems or infrastructure items (security systems, power supplies, etc.) to provide warning when these systems fail or are near failure.	May be tied to supervisory monitoring system. ----- If monitored remotely, these sensors should not utilize the same communications path/media as the system(s) being monitored.
14SW-01-VIDA*	Systems, Video Assessment, Security	Camera-based security systems utilizing standard, low light, or infrared technology.	May be tape-based or digital. May be integrated with motion detection/alarm systems.
14SW-01-WALL*	Barricades: Fences; Jersey Walls	Obstacles designed to channel or halt pedestrian or vehicle-borne traffic in order to protect a physical asset or facility.	

<sup>1</sup> Use numbers given to refer to Standards List at the end of this document.

\* Item has been moved or changed in the edition.

## Section 14 | Physical Security Enhancement Equipment

Item Number/Title	Description	Features/Operating Considerations	Standards <sup>1</sup>
<b>SW - Surveillance, Warning, Access/Intrusion Control</b> 02 - Waterfront			
14SW-02-HSCN*	Devices or systems used to scan ship hulls for attached devices.	Multiple display options, including color displays.  Consider range, definition, and suitability for operating environment.  Consider use of Doppler systems where relative movement is important or where environment produces excessive static return.	
14SW-02-RADR*  Systems, Radar	Scanning systems for detection of objects such as vessels, personnel, and other objects.		
14SW-02-SONR*  Systems, Sonar	Includes several different types of underwater sound wave imaging:  Imaging Sonar: A high-frequency sonar that produces video-like imagery using a narrow field of view. The sonar system can be pole-mounted over the side of a craft or hand-carried by a diver.  Scanning Sonar: Consists of smaller sonar systems that can be mounted on tripods and lowered to the bottom of the waterway. →		

<sup>1</sup> Use numbers given to refer to Standards List at the end of this document.

\* Item has been moved or changed in the edition.

## Section 14 | Physical Security Enhancement Equipment

Item Number/Title	Description	Features/Operating Considerations	Standards <sup>1</sup>
<b>SW - Surveillance, Warning, Access/Intrusion Control</b> 02 - Waterfront		<p>Scanning sonar produces a panoramic view of the surrounding area and can cover up to 360 degrees.</p> <p>Side Scan Sonar: Placed inside of a shell and towed behind a vessel. Side scan sonar produces strip-like images from both sides of the device.</p> <p>3-Dimensional Sonar: Produces 3-dimensional imagery of objects using an array receiver.</p>	
14SW-02-VBAR*	Barriers, Vessel	Deployable, modular systems for restricting the movement of vessels.	

<sup>1</sup> Use numbers given to refer to Standards List at the end of this document.

\* Item has been moved or changed in the edition.